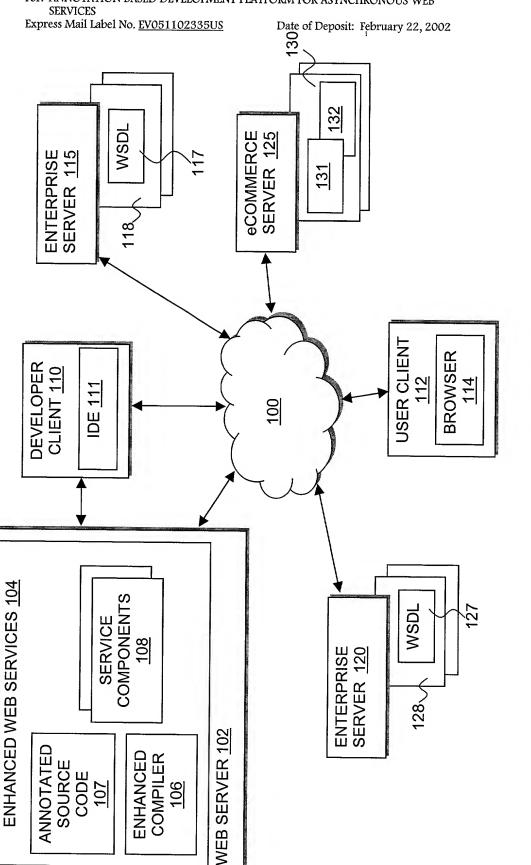
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FIG. 1

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/* @Operation

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206

/* @Operation

202 J

207 \

/* @Operation

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208 ┤

void cancel()

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@buffer *,

/* @Operation

204

FIG. 2

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```
String lastname)
                                                                                                                                                                                                      new java.text.SimpleDateFormat("yyyy-MM-dd HH:mm:ss");
                                                          public String greeting (String firstname,
                                                                                                                                                Calendar.getInstance(TimeZone.getDefault());
                                                                                                                                                                                                                                                           return "Hello " + firstname + " " + lastname
                                                                                                                                                                                                                                                                                        + sdf.format(cal.getTime());
                                                                                                                                                                              SimpleDateFormat sdf
                                                                                                                         Calendar cal =
* @operation
                                                                                                                                                                                                                                                                                        " at "
```

the first that the first first the

FIG. 3A

```
<m:greeting xmlns:m="http://www.company.com/app/mypackage/CreditReport.jws">
                                                                                                                                                                                                                                                                            soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
                                                                                                                                                                                                                xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
                                                                                                                                                                                                                                                xmlns:cgc="http://bea.com/SOAP/conversation"
POST /app/mypackage/CreditReport.jws HTTP/1:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                <firstname>Jane</firstname>
                                                          Content-Type: text/xml; charset="utf-8"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <lastname>Doe</lastname>
                                                                                                                       SOAPAction: "Some-URI"
                                Host: www.company.com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         </m:greeting>
                                                                                      Content-Length: 648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             </soap:Body>
                                                                                                                                                                                                                                                                                                                                         </soap:Header>
                                                                                                                                                                                                                                                                                                                                                                       <soap:Body>
                                                                                                                                                                                                                                                                                                             <soap:Header>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                </soap:Envelope>
                                                                                                                                                                                      <soap:Envelope
```

FIG. 3B

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```
xmlns:m="http://www.company.com/app/mypackage/CreditReport.jws">
                                                                                                                                                                                                                                                                                                                                                                            <result>Hello Jane Doe at 2001-08-15 16:18:04</result>
                                                                                                                                                                               soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
                                                                                                                                                   xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
                           Content-Type: text/xml; charset="utf-8"
                                                                                                                                                                                                                                                                                                                                                                                                                      </m:greetingResponse>
                                                                                                                                                                                                                                                                                                          <m:greetingResponse
                                                           Content-Length: 574
                                                                                                                                                                                                                                          </soap:Header>
                                                                                                                                                                                                                 <soap:Header>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     </soap:Envelope>
HTTP/1.1 200 OK
                                                                                                                                                                                                                                                                                                                                                                                                                                                      </soap:Body>
                                                                                                                     <soap:Envelope
                                                                                                                                                                                                                                                                            <soap:Body>
```

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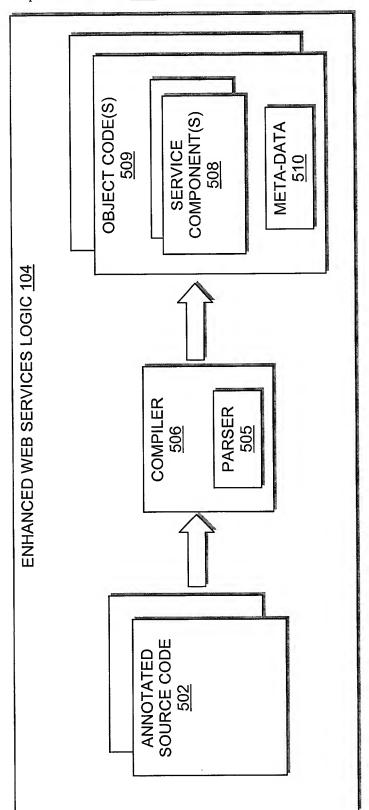
FIG. 3C

```
<c:conversationID>4232-133214-3223132:42332-3144-2332251</c:conversationID>
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"</p>
                          xmlns:c="http://openuri.org/soap/conversation/">
                                                                                                                                                           http://original.com/foo/Callbacks.jwi
                                                                                                                                                                                               </c>
                                                                                                                           <c:defaultCallbackURL>
                                                                                                                                                                                                                                                                                          <!-- contents omitted -->
                                                                                                                                                                                                                                  </s:Header>
                                                           <s:Header>
                                                                                                                                                                                                                                                                                                                                                   </s:Envelope>
                                                                                                                                                                                                                                                                                                                            </s:Body>
                                                                                                                                                                                                                                                                <s:Body>
```

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TELEPHONE: 503-595-2800 COLUMBIA IP LAW GROUP, PC
Attorney's Docket No.: 41016.P012 Page 6 of 10 Application No.: Not yet assigned Inventor(s): Bau,III et al. For: ANNOTATION BASED DEVELOPMENT PLATFORM FOR ASYNCHRONOUS WEB **SERVICES** Date of Deposit: February 22, 2002 Express Mail Label No. EV051102335US START READ CODE SEGMENT 601 602 PARSE CODE SEGMENT 604 **IDENTIFY ANNOTATIONS** WITHIN CODE SEGMENT 608 606 **ANNOTATION DETERMINE TYPE OF** FOUND? **ANNOTATION** YES NO **IDENTIFY STATEMENT / DECLARATION** 609 MODIFIED BY ANNOTATION 610 IDENTIFY AND GENERATE A SET OF HELPER OBJECTS TO BE HOOKED UP TO THE CODE AT RUNTIME 611 ADD'L CODE ASSOCIATE META-DATA **SEGMENTS** WITH OBJECT FILE YES TO BE READ? 612 614 APPLY OPTIMIZATION IF DESIRED 616 **GENERATE CODE** STOP FIG. 6

TELEPHONE: 503-595-2800

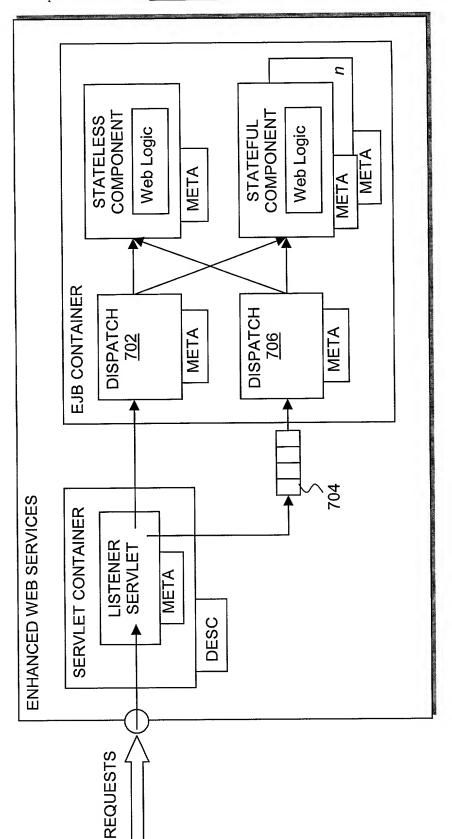
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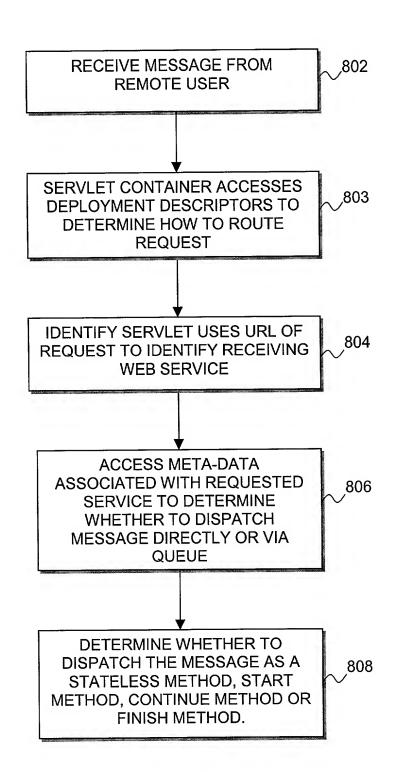


FIG. 8

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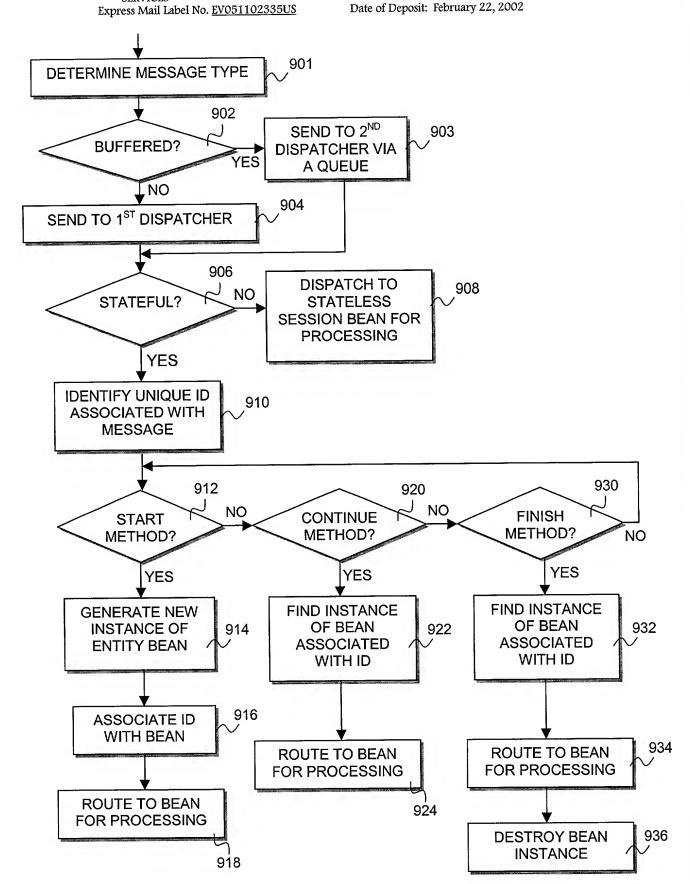


FIG. 9

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